



ALAMEDA COUNTY
CONGESTION MANAGEMENT AGENCY

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Memorandum

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From: Saravana Suthanthira, Associate Transportation Planner

Date: December 22, 2005

Subject: **Countywide Model Update: Review of ABAG Projections 2005 Land Use**

The ACCMA is updating the land use inputs for the Countywide Travel Demand Model based on ABAG Projections 2005. The consultant team has made an initial allocation of the ABAG land uses to the updated transportation analysis zones (TAZs) used in the travel model. As part of the model update, each jurisdiction is requested to review the Projections 2005 household and employment land use allocations and make revisions as needed. The land use represents data for 2000, 2005, 2015 and 2030. The initial allocation by TAZ is controlled by MTC's translation of Projections 2005 to the Regional Transportation Analysis Zones (RTAZs) representing Alameda County. RTAZ-to-TAZ allocation follows distribution patterns derived from Census 2000 counts.

Requested Actions

Local jurisdictions have 60 days to refine the land use data and return it to the ACCMA. Therefore the revised 2000, 2005, 2015 and 2030 land use allocations are due to the ACCMA by March 3, 2006. Once the data is received, the ACCMA will then compile it and use it to update the land use projections in the countywide model.

The credibility and usefulness of the model is highly dependent on accurate land use inputs. In particular, we would request that each jurisdiction pay close attention to the following:

- Year 2000 assumptions used for model calibration and validation, in particular the locations and sizes of major trip generators such as shopping centers. Note that these inputs represent conditions five years ago and not current (2005) conditions, and new buildings must have been occupied with employees at that time (mid-2000) to be included in the database.
- Year 2005 represents all developments that were completed and occupied up to the current year.
- Major approved and proposed development, both the totals by the 2030 horizon year and the appropriate phasing for the 2015 interim year.

Information Provided

The following information is provided to assist you in the land use update process:

- Projections 2005 Household and Employment land use by Census Tract, TAZ and Year. Please review this data and make any changes to the household and employment land use data for the years 2000, 2005, 2015, and 2030. Employment data is presented in six employment sectors: retail, service, other, agricultural, manufacturing and wholesale. Total employment is also provided as reference. Data may be moved between TAZs, but citywide totals must be held to plus or minus one percent. This information is available electronically by request for those who prefer to make the edits directly onto the spreadsheets. Please email me at ssuthanthira@accma.ca.gov if you would like an electronic version and I will send it to you.
- Information on Shared TAZs. In some cases, TAZs and census tracts cross jurisdictional boundaries. Shared TAZs have a Primary City and Secondary City shown in the tables. To avoid double counting, you will need to contact the adjacent jurisdiction if you are making adjustments to a shared TAZ located within the boundaries of your jurisdiction. If your jurisdiction shares a TAZ with an adjacent jurisdiction, the land uses for shared TAZs and the corresponding jurisdictions are identified in the column labeled “Secondary City” Correspondences between TAZs and jurisdictions as shown in the attachments are based on U.S. Census Bureau boundary definitions for January 1, 2005 conditions.
- New TAZ maps for each planning area/jurisdiction. The original 728 countywide TAZs were recently updated and expanded to 1,400 TAZs. In some cases, TAZs may be the same as the previous 1995 version, but generally the new TAZs are smaller and may have boundary changes due to 2000 census tract changes. We have provided maps of the four planning areas showing the TAZ numbers and boundaries. The maps do have some overlap between planning areas. For additional reference, we have included the GDT street layer, major railroads and different background colors identifying each jurisdiction. Adobe PDFs of the maps are also available if you prefer to work electronically. Please

let me know if you need them. Also, the consultant team has prepared an Excel table of hyperlinks that allow reviewers to examine Google Maps satellite and road map coverages in the vicinity of each of the TAZs. For most urbanized locations in the County, the Google Maps orthophotos depict ground conditions as of 2002 or later.

If you have any questions or require additional information, please call me at 510/836-2560 ext 21. Thank you for your assistance in updating the countywide transportation model.

Cc: ACTAC, w/o attachments
Jean Hart, Deputy Director, w/o attachments
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File- 2004/05 Countywide Model Update